IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: PAUL BECK	Group Art Unit: TBA
Serial No. not yet assigned	Examiner: TBA
(Reissue of U.S. Pat. No. 6,030,308)	
Filed: Herewith	
For: ADJUSTABLE ENDLESS BELT FOR USE IN POWER TRANSMISSION AND APPARATUS AND METHODS FOR FORMING BELT	

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D. C. 20231

Dear Sir:

Kind amend the reissue application to U.S. Patent No. 6,030,308 granted on February 29, 2000 to Beck on the invention entitled ADJUSTABLE ENDLESS BELT FOR USE IN POWER TRANSMISSION AND APPARATUS AND METHODS FOR FORMING BELT, filed herewith as follows:

LA-228469.1

CERTIFICATE OF MAILING
(37 C.F.R. §1.10)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as 'Express Mail Post Office To Addressee' in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

EV051354002US
Express Mail Label No.

Cheryl Boberg
Name of Person Mailing Paper

February 27, 2002
Date of Deposit

Cheryl Boberg
Signature of Person Mailing Paper

In the Cover Sheet of the Patent:

Please replace the paragraph at item [63] under the heading "**Related U.S. Application Data**" with the following paragraph:

Continuation-in-part of application No. 08/863,392, May 27, 1997, Patent No. 5,788,595, which is a continuation-in-part of application No. 08/574,845, Dec. 19, 1995, Pat. No. 5,632,700, which is a continuation-in-part of application No. 349,019, Dec. 2, 1994, Pat. No. 5,484,342.

In the Specification:

Please replace the paragraph at column 9, lines 7-22 with the following paragraph:

-- The reinforcing ribbon 14 is disposed in a flat disposition in a bed of a quick setting adhesive 25 proximate the bottom wall of channel 18 and extends within channel 18 around the entire interior of belt 10 such that the extended ends 14' and 14" of the ribbon 14 abut each other within channel 18. To [maximize] minimize any imbalance of belt 10, ribbon ends 14' and 14" abut each other directly across the formed loop from the abutting ends 12' and 12" of the outer length of belt material 12. The adhesive 25 is injected into channel 18 during the formation of the belt to secure the reinforcing ribbon to the outer length of belt material 12. A small amount of adhesive can also be applied to the ends 12' and 12" of belt length 12 to secure together the mating ends 12' and 12" of the outer length of belt material in a smooth and continuous joint. It has been found, however, that it is not necessary to the integrity of belt 10 to adhere the mating ends 12' and 12" with adhesive. --

In the Claims:

Kindly amend the claims as follows:

1. (Amended) An endless belt for use in power transmission comprising an outer length of flexible tear-resistant material having mating extended ends so as to form a closed loop and defining an endless channel extending longitudinally therethrough, an inelastic reinforcing [enforcing] ribbon of a flexible tear-resistant material disposed within said channel, said ribbon defining first and second ends and extending across said mating ends of said outer length of material and twice about said loop defined by said outer length of material so as to define two layers of reinforcing ribbon within said outer length of material, said first end of said ribbon being disposed adjacent to said second end thereof and an adhesive injected into [disposed within] said channel separately from said ribbon, said adhesive being disposed about said layers of ribbon and securing together said layers of ribbon and securing said ribbon to said outer length of material to maintain said outer length of material in said closed loop.

9. (Amended) An endless belt for use in power transmission comprising an outer length of flexible tear-resistant material having mating extended ends so as to form a closed loop and defining an endless channel extending longitudinally therethrough, an inelastic reinforcing ribbon of a flexible tear-resistant material disposed within said channel and extending about said loop defined by said outer length of material, said ribbon defining first and second end portions and extending across said mating ends of said outer length of material with said first end portion of said ribbon overlapping said second end portion thereof, and an adhesive injected into [disposed

within] said channel separately from said ribbon, said adhesive being disposed about said ribbon and securing together said end portions of said ribbon and said ribbon to said outer length of material to maintain said outer length of material in said closed loop.

13. (Amended) An endless belt for use in power transmission comprising an outer length of flexible tear-resistant material having mating extended ends and forming a closed loop, said length of material defining an endless channel extending longitudinally therethrough, an inner surface, an [and] outer surface, and a slit extending the length of said channel between said channel and said outer surface, an inelastic reinforcing ribbon of a flexible tear-resistant material disposed within said channel and extending about said loop defined by said outer length of material, said ribbon defining first and second end portions and extending across said mating ends of said outer length of material with said first end portion of said ribbon overlapping said second end portion thereof, and an adhesive injected into [disposed within] said channel separately from said ribbon, said adhesive being disposed about said ribbon and securing together said end portions of said ribbon and said ribbon to said outer length of material to maintain said outer length of material in said closed loop.

Kindly add the following new claims:

17. An endless belt for use in power transmission comprising an outer length of flexible tear-resistant material having mating extended ends so as to form a closed loop and defining an endless channel extending longitudinally therethrough, an inelastic reinforcing ribbon of a flexible tear-resistant material disposed within said channel, said

ribbon defining first and second ends and extending across said mating ends of said outer length of material and twice about said loop defined by said outer length of material so as to define two layers of reinforcing ribbon within said outer length of material, and an adhesive injected into said channel separately from said ribbon, said adhesive being disposed about said layers of ribbon and securing together said layers of ribbon and securing said ribbon to said outer length of material to maintain said outer length of material in said closed loop.

18. An endless belt for use in power transmission comprising an outer length of flexible tear-resistant material having mating extended ends so as to form a closed loop and defining an endless channel extending longitudinally therethrough, an inelastic, flexible and tear-resistant reinforcing ribbon disposed within said channel, said ribbon being comprised of an adhesive cooperative material disposed about an inelastic and durable material and extending across said mating ends of said outer length of material and twice about said loop defined by said outer length of material so as to define two layers of reinforcing ribbon within said outer length of material, and an adhesive disposed within said channel about said layers of ribbon and securing together said layers of ribbon and securing said ribbon to said outer length of material to maintain said outer length of material in said closed loop.

19. The endless belt of claim 18 wherein said ribbon is of a braided construction such that said inelastic and durable material is encased within said adhesive cooperative material.

20. A belt assembly for forming an endless belt of a desired size for use in power transmission, said assembly comprising:

an outer length of flexible tear-resistant material defining an outer surface, an inner surface, a first end, a second end, an interior channel extending longitudinally therethrough, and a slit extending the length thereof from said outer surface to said channel;

an adhesive adapted to be injected through said slit into said channel throughout the length thereof; and

an inelastic reinforcing ribbon comprised of a highly durable and inelastic inner portion and a relatively non-abrasive and adhesive cooperative outer portion, said ribbon being adapted to be inserted into said channel through said slit such that upon injecting said adhesive into and along said channel, placing said ends of said outer length of material in an abutting relationship and drawing said ribbon into said channel through said slit and about said outer length of material so that said ribbon extends in a flat disposition within said adhesive in said channel about said outer length of material and across the abutting ends thereof, said ribbon is secured to said outer length of material by said adhesive, defining a continuous belt of uniform construction.

21. An endless belt for use in power transmission comprising an outer length of flexible tear-resistant material having mating extended ends so as to form a closed loop and defining an endless channel extending longitudinally therethrough, an inelastic, flexible and tear-resistant reinforcing ribbon disposed within said channel and comprised of a highly durable and inelastic inner portion and a relatively non-abrasive

and adhesive cooperative outer portion, said ribbon defining first and second end portions and extending about said loop defined by said outer length of material and across said mating ends of said outer length of material with said first end portion of said ribbon overlapping said second end portion thereof, and an adhesive disposed within said channel about said ribbon and securing together said end portions of said ribbon and ribbon to said outer length of material to maintain said outer length of material in said closed loop.

22. An endless belt for use in power transmission comprising an outer length of flexible tear-resistant material having mating ends so as to form a closed loop and defining an endless channel extending longitudinally therethrough, an inelastic, flexible and tear-resistant reinforcing ribbon disposed within said channel, said ribbon being comprised of a highly durable and inelastic inner portion and a relatively non-abrasive and adhesive cooperative outer portion and extending about said loop defined by said outer length of material and across said mating ends of said outer length of material, and an adhesive injected into said channel separately from said ribbon, said adhesive being disposed about said ribbon and securing said ribbon to said outer length of material to maintain said outer length of material in said closed loop.

23. An endless belt for use in power transmission comprising an outer length of flexible tear-resistant material having mating ends so as to form a closed loop and defining an endless channel extending longitudinally therethrough, an inelastic, flexible and tear-resistant reinforcing ribbon disposed within said channel, said ribbon being

comprised of at least two different materials, a first of said materials being highly durable and inelastic, a second of said materials being substantially more adhesive cooperative than said first material and being braided about said first material so as to encase said first material therein, said ribbon extending about said loop defined by said outer length of material and across said mating ends of said outer length of material, and an adhesive injected into said channel separately from said ribbon, said adhesive being disposed about said ribbon and securing said ribbon to said outer length of material to maintain said outer length of material in said closed loop.

24. An endless belt for use in power transmission comprising an outer length of flexible tear-resistant material having mating ends so as to form a closed loop and defining an endless channel extending longitudinally therethrough, an inelastic, flexible and tear-resistant reinforcing ribbon disposed within said channel, said ribbon being comprised of at least two different materials, a first of said materials being highly durable and inelastic, a second of said materials being substantially more adhesive cooperative than said first material and being braided about said first material so as to encase said first material therein, said ribbon extending across said mating ends of said outer length of material and twice about said loop defined by said outer length of material so as to define two layers of reinforcing ribbon within said outer length of material, and an adhesive injected into said channel separately from said ribbon, said adhesive being disposed about said ribbon and securing together said layers of ribbon and securing said ribbon to said outer length of material to maintain said outer length of material in said closed loop.

REMARKS

The change to the cover sheet of the patent is submitted herein in accordance with 37 C.F.R. § 1.173(b) and (d) to include reference to the first patent in the chain of title, i.e., No. 5,484,342. This reference was originally included in the application papers as is shown by the reference to said patent at column 1, lines 9 and 10 of the specification. As it was inadvertently omitted from the cover sheet of Patent No. 6,030,308, correction is sought by this reissue. It should be noted that this correction would have been made by a Certificate of Correction but for the fact that Patent No. 6,030,308 is being reissued to correct the errors in the claims. The change to the specification is also submitted herein in accordance with 37 C.F.R. § 1.173(b) and (d) to correct an error appearing therein.

Claims 1, 9 and 13 have been amended and new claims 17-24 have been added to the above-identified reissue application in accordance with 37 C.F.R. § 1.173(b) and (d). These newly added claims cover material which the patentee clearly had a right to claim in U.S. Patent No. 3,030,308 and thus render this application a broadening reissue. Claims 1, 9 and 13 were amended in view of the discovery of U.S. Patent No. 2,985,222. As amended, the subject matter recited in those claims is clearly distinguishable from and patentable over the prior art.

It is submitted that this Amendment and the added claims incorporated in the reissue application are supported by the disclosure and do not introduce new matter into the application. Accordingly, these claims are appropriate for examination at this time.

Respectfully submitted,

LYON & LYON LLP

Dated: February 27, 2002

By: _____
Richard E. Lyon, Jr.
Reg. No. 26,300

022249
Lyon & Lyon LLP
633 West Fifth Street, Suite 4700
Los Angeles, CA 90071-2066
(213) 489-1600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: PAUL BECK	Group Art Unit: TBA
Serial No. not yet assigned	Examiner: TBA
(Reissue of U.S. Pat. No. 6,030,308)	
Filed: Herewith	
For: ADJUSTABLE ENDLESS BELT FOR USE IN POWER TRANSMISSION AND APPARATUS AND METHODS FOR FORMING BELT	

STATUS OF CLAIMS AND SUPPORT FOR CLAIM CHANGES PURSUANT TO 37 C.F.R. § 1.173(c)

Commissioner for Patents
Washington, D. C. 20231

Sir:

STATUS OF CLAIMS:

Claims 1, 9 and 13 from the issued 6,030,308 patent are amended.

Claims 2-8, 10-12 and 14-16 are unchanged.

Claims 17-24 are added in this reissue application.

CERTIFICATE OF MAILING
(37 C.F.R. §1.10)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as 'Express Mail Post Office To Addressee' in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

EV051354002US Express Mail Label No.	Cheryl Boberg Name of Person Mailing Paper
February 27, 2002 Date of Deposit	Cheryl Boberg Signature of Person Mailing Paper

SUPPORT FOR CLAIM AMENDMENTS:

Following is a statement of support for claim amendments relating to the claims amended and the claims added in the present application for reissue:

Claim 1 -- Figs. 5c and 9-17; col. 4, line 65 – col. 5, line 12; col. 9, lines 7-11, 15-17 and 45-52; col. 10, lines 1-6; col. 11, lines 37-39; col. 13, lines 1-47; col. 14, lines 30-47; and col. 16, lines 34-46.

Claim 9 -- Figs. 2, 5c and 9-17; col. 4, line 65 – col. 5, line 12; col. 9, lines 7-11, 15-17 and 45-52; col. 10, lines 1-6; col. 11, lines 37-39; col. 13, lines 1-47; col. 14, lines 30-47; and col. 16, lines 34-46.

Claim 13 -- Figs. 2, 5c and 9-17; col. 4, lines 26-39 and 65 – col. 5, line 12; col. 9, lines 7-11, 15-17 and 45-52; col. 10, lines 1-6; col. 11, lines 37-39; col. 13, lines 1-47; col. 14, lines 30-47; and col. 16, lines 34-46.

Claim 17 -- Figs. 5c and 9-17; col. 4, line 65 – col. 5, line 12; col. 9, lines 7-11, 15-17 and 45-52; col. 10, lines 1-6; col. 11, lines 37-39; col. 13, lines 1-47; col. 14, lines 30-47; and col. 16, lines 34-46.

Claim 18 -- Figs. 5a-5c, 5e and 9-17; col. 4, line 65 – col. 5, line 12; col. 9, lines 7-11, 15-17 and 45-52; col. 10, lines 1-23; col. 11, lines 37-39; col. 13, lines 1-47; col. 14, lines 30-47; and col. 16, lines 34-46.

Claim 19 -- Fig. 5e and col. 7, lines 63-67.

Claim 20 -- Figs. 2, 5a-5c, 5e and 9-17; col. 4, lines 26-39 and 65 – col. 5, line 12; col. 9, lines 7-11, 15-17 and 45-52; col. 10, lines 1-23; col. 11, lines 37-39; col. 13, lines 1-47; col. 14, lines 30-47; and col. 16, lines 34-46.

Claim 21 -- Figs. 2, 5a-5c, 5e and 9-17; col. 4, line 65 – col. 5, line 12; col. 9, lines 7-11, 15-17 and 45-52; col. 10, lines 1-23; col. 11, lines 37-39; col. 13, lines 1-47; col. 14, lines 30-47; and col. 16, lines 34-46.

Claim 22 – Figs. 2, 5a-5c, 5e and 9-17; col. 4, line 65 – col. 5, line 12; col. 9, lines 7-11, 15-17 and 45-52; col. 10, lines 1-23; col. 11, lines 37-39; col. 13, lines 1-47; col. 14, lines 30-47; and col. 16, lines 34-46.

Claim 23 -- Figs. 2, 5a-5c, 5e and 9-17; col. 4, line 65 – col. 5, line 12; col. 7, lines 63-67; col. 9, lines 7-11, 15-17 and 45-52; col. 10, lines 1-23; col. 11, lines 37-39; col. 13, lines 1-47; col. 14, lines 30-47; and col. 16, lines 34-46.

Claim 24 -- Figs. 2, 5a-5c, 5e and 9-17; col. 4, line 65 – col. 5, line 12; col. 7, lines 63-67; col. 9, lines 7-11, 15-17 and 45-52; col. 10, lines 1-23; col. 11, lines 37-39; col. 13, lines 1-47; col. 14, lines 30-47; and col. 16, lines 34-46.

Respectfully submitted,

LYON & LYON LLP

Dated: February 27, 2002

By: _____
Richard E. Lyon, Jr.
Reg. No. 26,300

022249
Lyon & Lyon LLP
633 West Fifth Street, Suite 4700
Los Angeles, CA 90071-2066
(213) 489-1600